## IN THE CLAIMS:

1. (currently amended) A method of making a filter medium for use in a filtering application at an application temperature comprising:

providing a substrate;

providing a polyimide stiffening agent in solution;

diluting the polyimide stiffening agent solution to approximately 5.5% solids;

treating the substrate with the polyimide stiffening agent solution; and

curing the treated substrate, wherein the treated substrate with the polyimide stiffening agent is capable of withstanding at least 100,000 cleaning pulses at a temperature of about 375°F, a flowrate of about 1200 cubic feet per minute, and a pressure of about 60psi.

- 2. (previously presented) The method of claim 1, further including calendering the substrate after the step of providing a substrate and before the step of treating the substrate.
- 3. (original) The method of claim 1, wherein the substrate is selected from the group consisting of polyarylene sulfides, aramides, polyimides, glass, acrylics, pre-oxidized acrylics and mixtures thereof.
- 4. (original) The method of claim 1, wherein the polyimide is selected from the group consisting of polyamideimides, polyetherimides and polybismaleimides.
- 5. (previously presented) The method of claim 1, further including pleating the treated substrate after the step of curing the treated substrate.
- 6. (original) The method of claim 5, wherein the pleating of the treated substrate is at a temperature above the application temperature.

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7. (original) The method of claim 1, wherein the polyimide stiffening agent is about 2% to about 20% by weight of the total weight of the filter medium.

- 8. (original) The method of claim 1, wherein the application temperature is greater than about 375°F.
- 9. (currently amended) A method of making a filter medium for use in a filtering application at an application temperature comprising:

providing a polymer substrate;

calendering the polymer substrate;

providing a polyimide stiffening agent in solution;

diluting the polyimide stiffening agent solution to approximately 5.5% solids;

treating the calendered polymer substrate with the polyimide stiffening agent solution; and

curing the treated polymer substrate, wherein the treated polymer substrate with the polyimide stiffening agent is capable of withstanding at least 100,000 cleaning pulses at a temperature of about 375°F, a flowrate of about 1200 cubic feet per minute, and a pressure of about 60psi.

- 10. (previously presented) The method of claim 9, wherein the polymer substrate is selected from the group consisting of polyarylene sulfides, aramides, polyimides, acrylics, pre-oxidized acrylics and mixtures thereof.
- 11. (original) The method of Claim 9, wherein the polyimide is selected from the group consisting of polyamideimides, polyetherimides and polybismaleimides.
- 12. (previously presented) The method of Claim 9, further including pleating the treated polymer substrate after the step of curing the treated substrate.

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- 13. (original) The method of claim 12, wherein the pleating of the treated substrate is at a temperature above the application temperature.
- 14. (original) The method of claim 9, wherein the polyimide stiffening agent is about 2% to about 20% by weight of the total weight of the filter medium.
- 15. (original) The method of claim 9, wherein the application temperature is greater than about 375°F.
- 16. (previously presented) A method of making a filter medium for use in a filtering application at an application temperature comprising:

providing a substrate;

calendering the substrate;

providing a polyimide stiffening agent selected from the group consisting of polyetherimides and polybismaleimides;

treating the calendered substrate with the polyimide stiffening agent;

curing the treated substrate; and

pleating the treated substrate at a temperature that is higher than the application temperature.

- 17. (original) The method of claim 16, wherein the substrate is selected from the group consisting of polyarylene sulfides, aramides, polyimides, glass, acrylics, pre-oxidized acrylics and mixtures thereof.
  - 18. (canceled)
- 19. (previously presented) The method of claim 16, wherein the calendered substrate with the polyimide stiffening agent is capable of withstanding at least 100,000 cleaning

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pulses at a temperature of about 375°F, a flowrate of about 1200 cubic feet per minute, and a pressure of about 60psi.

- 20. (original) The method of claim 16, wherein the polyimide stiffening agent is about 2% to about 20% by weight of the total weight of the filter medium.
- 21. (original) The method of claim 16, wherein the application temperature is greater than about 375°F.